

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 07306444

PUBLICATION DATE : 21-11-95

APPLICATION DATE : 22-08-94

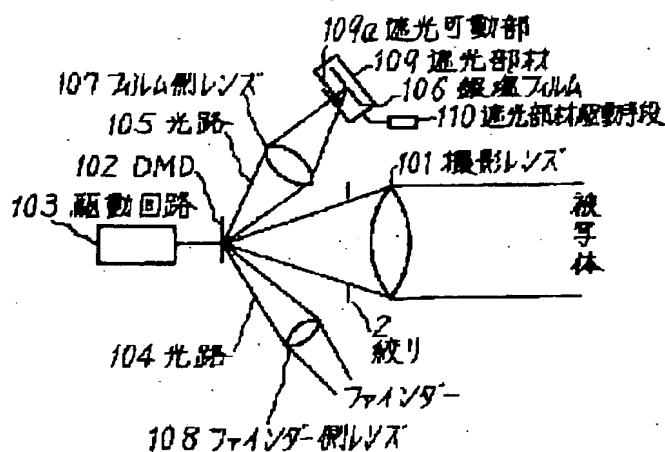
APPLICATION NUMBER : 06196557

APPLICANT : NIKON CORP;

INVENTOR : AOTO KAZUAKI;

INT.CL. : G03B 9/08 // G02B 26/08

TITLE : CAMERA



**ABSTRACT :** PURPOSE: To reduce camera-shaking and simultaneously to obtain a shutter speed of a 1/8000 second or more by providing a shutter mechanism including a spatial optical modulation element (DMD: digital micromirror device) arranged on the focal plane of an optical system photographic lens.

**CONSTITUTION:** The DMD 102 and a driving circuit 103 are provided instead of a shutter and a mirror, the position of a silver salt film 106 is changed and a film side lens 107 is added to the full surface of the film 106. Then, a finder is moved to a side opposite to the silver salt film 106 acrossing a photographic lens 101 and a finder side lens 108 is arranged on the full surface of the finder. The driving circuit 103 drives the DMD 102 so as to change the angle of reflection of the DMD 102 from an optical path 104 to an optical path 105, when a shutter button is depressed. The DMD 102 is controlled by the driving circuit 103 to change the angle of reflection of light made incident on the DMD 102 from the optical path 104 to the optical path 105 or from the optical path 105 to the optical path 104 at 10 microseconds.

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